

Table 94 (page 1 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, 1994–98

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Total			Ambulatory ¹			Inpatient ²				
	1994	1995	1996	1994	1995	1996	1994	1995	1996	1998	
Both sexes		Procedures per 1,000 population									
Total ^{3,4}	239.2	239.1	244.8	98.8	103.3	109.0	140.5	135.8	135.8	134.8	
Male											
All ages ^{3,4}	214.7	215.6	222.3	93.5	97.8	104.0	121.2	117.8	118.3	115.1	
Under 15 years ⁴	85.3	85.2	86.3	48.7	45.9	48.0	36.6	39.3	38.3	37.1	
Myringotomy with insertion of tube	11.6	10.8	10.5	11.0	10.3	10.1	0.5	0.4	0.4	0.4	
Tonsillectomy, with or without adenoidectomy	4.6	5.3	4.6	4.1	4.8	4.2	0.5	0.5	0.4	*0.2	
Reduction of fracture	2.2	1.8	2.3	0.9	0.8	1.1	1.3	1.0	1.3	1.0	
15–44 years ⁴	119.9	118.9	119.4	57.9	60.3	62.4	62.1	58.6	57.0	52.0	
Cardiac catheterization	1.5	1.4	1.7	0.5	*0.3	0.5	1.1	1.1	1.1	1.0	
Endoscopy of small or large intestine with or without biopsy	6.8	6.7	7.0	4.9	4.9	5.5	1.9	1.7	1.5	1.5	
Cholecystectomy	0.7	0.8	0.8	*0.2	*0.3	0.4	0.5	0.5	0.4	0.4	
Reduction of fracture	3.6	3.7	3.9	1.1	1.1	1.5	2.5	2.5	2.5	2.1	
Arthroscopy of the knee	4.2	4.3	3.6	3.6	4.0	3.4	0.5	0.4	0.2	*0.1	
Excision or destruction of intervertebral disc	1.7	1.6	1.6	*	*	*0.2	1.5	1.4	1.3	1.2	
Angiocardiology with contrast material	2.3	2.1	2.2	0.7	0.4	0.6	1.6	1.7	1.6	1.4	
45–64 years ⁴	321.7	327.4	341.8	132.7	146.7	155.9	189.0	180.7	185.9	179.2	
Coronary angioplasty	5.9	5.8	6.7	*	*	*	5.6	5.6	6.4	6.3	
Coronary artery bypass graft ⁵	6.7	7.6	7.2	—	—	—	6.7	7.6	7.2	6.7	
Cardiac catheterization	14.9	15.5	18.1	3.3	3.8	5.4	11.7	11.7	12.7	11.9	
Endoscopy of small or large intestine with or without biopsy	27.4	27.7	28.3	20.2	21.1	21.8	7.2	6.5	6.4	6.1	
Cholecystectomy	2.6	2.6	3.2	*0.5	*0.7	1.1	2.1	1.8	2.1	1.5	
Prostatectomy	2.7	2.5	2.1	*	*	*	2.5	2.2	1.9	1.7	
Reduction of fracture	2.9	3.1	2.8	*0.6	*0.8	0.8	2.3	2.3	2.0	2.4	
Arthroscopy of the knee	3.9	4.6	4.6	3.7	4.5	4.4	*0.3	*	*	*	
Excision or destruction of intervertebral disc	2.8	2.3	3.0	*	*	*	2.6	2.2	2.6	2.5	
Angiocardiology with contrast material	20.6	20.8	24.2	4.6	5.1	6.4	16.0	15.8	17.7	15.2	
65–74 years ⁴	693.7	697.7	729.6	269.9	280.8	314.5	423.8	416.9	415.1	416.6	
Coronary angioplasty	10.1	9.8	12.4	*	*	*	9.9	9.3	11.6	12.1	
Extraction of lens	32.5	34.1	37.2	31.4	33.2	36.7	*	*	*	*	
Insertion of prosthetic lens (pseudophakos)	26.7	26.7	30.0	25.6	25.8	29.4	*	*	*	*	
Coronary artery bypass graft ⁵	15.3	18.1	19.1	—	—	—	15.3	18.1	19.1	15.4	
Cardiac catheterization	27.9	30.5	33.1	5.7	7.1	10.2	22.2	23.4	22.9	24.7	
Pacemaker insertion or replacement	5.7	5.0	6.3	*	*	*	5.6	4.7	5.7	6.7	
Carotid endarterectomy	3.2	4.2	3.9	*	—	*	3.2	4.2	3.9	3.2	
Endoscopy of small or large intestine with or without biopsy	60.6	58.9	56.5	42.4	42.5	40.0	18.2	16.4	16.5	16.2	
Cholecystectomy	5.0	5.3	4.9	*	*	*	4.4	4.4	3.9	3.8	
Prostatectomy	14.9	13.2	11.7	*	*	*1.5	14.1	12.3	10.2	9.7	
Reduction of fracture	3.3	2.8	3.1	*	*	*	2.7	2.4	2.4	2.6	
Total hip replacement	1.6	2.5	2.3	—	—	—	1.6	2.5	2.3	2.3	
Angiocardiology with contrast material	39.8	39.5	43.0	9.0	9.2	13.4	30.8	30.3	29.5	30.5	
75 years and over ⁴	919.6	918.6	953.9	337.9	353.7	377.2	581.8	564.9	576.7	591.7	
Coronary angioplasty	6.6	8.1	8.5	*	—	*	6.4	8.1	7.4	8.5	
Extraction of lens	62.6	73.0	72.1	61.5	71.3	71.3	*	*	*	*	
Insertion of prosthetic lens (pseudophakos)	48.8	55.0	55.5	47.7	53.4	54.9	*	*	*	*	
Coronary artery bypass graft ⁵	10.7	12.5	11.5	—	—	—	10.7	12.5	11.5	12.3	
Cardiac catheterization	21.8	23.8	26.6	*3.8	4.7	7.0	18.0	19.1	19.6	19.4	
Pacemaker insertion or replacement	16.0	16.3	18.1	*	*	*	15.3	15.3	16.3	15.8	
Carotid endarterectomy	3.6	4.6	4.6	*	—	—	3.6	4.6	4.6	4.3	
Endoscopy of small or large intestine with or without biopsy	78.7	79.4	83.8	43.0	43.2	48.7	35.7	36.2	35.1	37.1	
Cholecystectomy	6.5	6.5	6.7	*	*	*	6.2	5.5	5.7	4.8	
Prostatectomy	18.1	17.4	14.5	*2.1	*2.2	*2.2	16.1	15.2	12.3	12.5	
Reduction of fracture	6.5	6.9	6.8	*	*	*	6.4	6.3	6.5	6.6	
Total hip replacement	2.2	2.1	2.2	—	—	—	2.2	2.1	2.2	3.4	
Angiocardiology with contrast material	27.9	29.4	36.0	*3.8	5.5	10.3	24.1	23.9	25.8	24.0	

See footnotes at end of table.

Table 94 (page 2 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, 1994–98

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Total			Ambulatory ¹			Inpatient ²			
	1994	1995	1996	1994	1995	1996	1994	1995	1996	1998
Female										
All ages ^{3,4}	265.8	264.3	269.4	104.5	109.1	114.4	161.2	155.2	155.0	155.9
Under 15 years ⁴	64.0	64.5	63.2	35.0	33.9	34.2	29.0	30.5	29.0	29.5
Myringotomy with insertion of tube	8.6	8.0	7.1	8.2	7.6	6.8	0.4	*0.3	*0.3	*
Tonsillectomy, with or without adenoidectomy	5.4	5.3	5.3	4.9	4.8	4.9	0.5	0.4	0.4	*0.3
Reduction of fracture	1.2	1.3	1.3	*0.6	0.7	0.8	0.7	0.6	0.5	0.8
15–44 years ⁴	290.7	282.8	287.4	92.0	93.7	98.6	198.7	189.2	188.9	185.4
Cardiac catheterization	0.6	0.6	0.6	*	*0.2	*0.2	0.4	0.4	0.4	0.5
Endoscopy of small or large intestine with or without biopsy	8.3	8.8	9.8	6.3	7.1	7.9	1.9	1.8	1.8	1.5
Cholecystectomy	3.5	4.0	4.0	1.4	1.7	2.1	2.1	2.3	1.9	1.9
Bilateral destruction or occlusion of fallopian tubes	11.3	11.5	11.0	5.2	6.0	5.3	6.1	5.5	5.7	6.0
Hysterectomy	5.2	5.7	5.4	*	*0.3	*0.2	5.0	5.5	5.2	5.4
Cesarean section ⁶	14.5	13.2	14.0	—	—	—	14.5	13.2	14.0	14.7
Repair of current obstetrical laceration	15.3	16.2	17.8	*	*	*	15.3	16.2	17.8	17.9
Reduction of fracture	1.5	1.7	1.6	0.4	0.5	0.5	1.1	1.2	1.1	1.1
Arthroscopy of the knee	2.1	2.2	2.2	1.9	2.1	2.0	0.2	*0.1	*0.1	*
Excision or destruction of intervertebral disc	1.2	0.9	1.0	*	*	*	1.1	0.8	0.9	1.0
Lumpectomy	2.5	2.0	2.1	2.4	1.9	2.1	*0.1	*0.1	*	*
Mastectomy	0.3	0.3	0.2	*	*	*	0.2	0.2	0.2	0.2
45–64 years ⁴	327.1	326.7	333.7	154.7	165.0	172.3	172.4	161.7	161.4	163.4
Coronary angioplasty	2.1	2.1	2.3	*	*	*	2.1	2.0	2.0	2.2
Coronary artery bypass graft ⁵	2.0	1.7	2.0	—	—	—	2.0	1.7	2.0	1.6
Cardiac catheterization	8.2	7.4	8.4	2.2	2.0	2.4	6.0	5.3	6.0	5.9
Endoscopy of small or large intestine with or without biopsy	28.5	30.3	28.3	22.0	24.2	22.8	6.5	6.2	5.5	5.5
Cholecystectomy	5.5	5.8	6.7	1.8	2.3	3.3	3.7	3.5	3.4	2.9
Hysterectomy	7.4	7.3	8.1	*	*	*	7.1	7.1	7.8	8.3
Reduction of fracture	2.8	2.9	3.1	*0.7	*0.7	0.8	2.2	2.2	2.3	1.8
Arthroscopy of the knee	2.9	3.5	3.6	2.8	3.4	3.5	*	*	*	*
Excision or destruction of intervertebral disc	2.1	1.7	2.0	*	*	*	2.0	1.6	1.8	2.1
Lumpectomy	5.4	5.4	4.9	4.9	5.0	4.5	0.5	0.4	*0.4	*0.3
Mastectomy	1.8	1.8	1.7	*	*	*0.4	1.6	1.5	1.3	1.5
Angiocardiology with contrast material	11.5	10.8	11.7	3.0	2.7	3.3	8.5	8.1	8.4	8.4
65–74 years ⁴	576.0	591.6	618.8	251.5	269.3	288.4	324.4	322.3	330.4	342.2
Coronary angioplasty	5.0	4.7	5.9	*	*	*	4.8	4.6	5.6	6.6
Extraction of lens	42.4	48.6	47.7	41.3	47.7	47.2	*	*	*	*
Insertion of prosthetic lens (pseudophakos)	34.1	36.1	35.9	33.1	35.3	35.4	*	*	*	*
Coronary artery bypass graft ⁵	5.0	6.1	6.6	—	*	—	5.0	6.1	6.6	6.0
Cardiac catheterization	15.8	15.8	19.9	3.3	3.6	5.4	12.5	12.2	14.6	15.1
Pacemaker insertion or replacement	4.5	3.9	3.8	*	*	*	4.2	3.8	3.6	4.3
Carotid endarterectomy	1.7	2.3	2.1	—	—	—	1.7	2.3	2.1	2.0
Endoscopy of small or large intestine with or without biopsy	54.5	58.5	59.4	38.6	40.6	44.9	15.9	17.9	14.5	16.3
Cholecystectomy	6.4	6.1	6.9	*1.3	*1.6	2.3	5.1	4.5	4.6	5.4
Hysterectomy	4.7	4.3	3.8	*	*	*	4.6	4.3	3.7	4.4
Reduction of fracture	5.3	5.1	5.9	*	*	*	4.6	4.3	5.0	4.9
Total hip replacement	2.6	2.6	2.9	—	—	*	2.6	2.6	2.8	3.6
Lumpectomy	4.8	5.1	5.5	4.4	4.6	4.9	*	*	*0.6	*
Mastectomy	3.0	2.7	2.7	*	*	*	2.7	2.3	2.3	2.3
Angiocardiology with contrast material	22.6	22.3	26.9	4.8	4.9	6.8	17.8	17.3	20.1	18.8

See footnotes at end of table.

Table 94 (page 3 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, 1994–98

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Total			Ambulatory ¹			Inpatient ²			
	1994	1995	1996	1994	1995	1996	1994	1995	1996	1998
75 years and over ⁴	742.5	764.0	779.1	271.1	301.2	315.8	471.4	462.8	463.3	491.1
Coronary angioplasty	4.0	4.3	4.8	*	*	*	3.9	4.2	4.3	5.9
Extraction of lens	72.1	83.4	82.4	69.8	81.1	81.7	*	*	*	*
Insertion of prosthetic lens (pseudophakos)	56.1	62.8	61.4	53.9	60.6	60.7	*	*	*	*
Coronary artery bypass graft ⁵	3.3	4.1	4.6	—	—	—	3.3	4.1	4.6	4.5
Cardiac catheterization	11.8	12.9	15.0	*1.5	*1.8	3.5	10.3	11.1	11.5	12.9
Pacemaker insertion or replacement	11.9	10.6	12.3	*	*	*1.1	11.4	10.0	11.2	11.8
Carotid endarterectomy	2.0	2.0	2.3	—	*	—	2.0	2.0	2.3	2.2
Endoscopy of small or large intestine with or without biopsy	69.7	73.4	71.0	34.1	38.8	38.2	35.6	34.6	32.8	36.9
Cholecystectomy	4.9	6.4	6.1	*	*	*1.2	4.2	5.5	5.0	5.1
Hysterectomy	2.4	2.4	2.8	—	*	*	2.4	2.4	2.6	2.8
Reduction of fracture	14.6	15.5	17.3	*	*	*	13.8	14.5	16.7	13.9
Total hip replacement	3.2	3.3	3.6	—	*	*	3.2	3.3	3.5	3.1
Lumpectomy	3.2	3.2	3.2	2.7	2.5	2.8	*	*0.7	*	*
Mastectomy	2.6	2.9	2.1	*	*	*	2.4	2.5	1.8	2.2
Angiocardigraphy with contrast material	16.6	17.5	20.8	2.3	*2.1	5.4	14.4	15.4	15.4	17.2

* Rates for total or inpatient hospitals based on fewer than 5,000 estimated procedures are unreliable and are not shown; those based on 5,000–9,999 estimated procedures are preceded by an asterisk and may have low reliability. Rates for ambulatory surgery based on fewer than 10,000 estimated procedures are unreliable and are not shown; those based on 10,000–19,999 estimated procedures are preceded by an asterisk.

— Quantity zero.

¹Data are from the National Survey of Ambulatory Surgery (conducted from 1994–96) and exclude ambulatory surgery procedures for patients who became inpatients. See Appendix II, Ambulatory surgery.

²Data are from the National Hospital Discharge Survey and exclude newborn infants.

³See Appendix II for age-adjustment procedure.

⁴Includes procedures not listed in table.

⁵Data in the main body of the table are for all-listed coronary artery bypass grafts. Often, more than one coronary bypass procedure is performed during a single operation. The following table gives additional information based on the number of inpatient discharges with one or more coronary artery bypass grafts.

Sex and age	1994	1995	1996	1997	1998
	Inpatient discharges per 1,000 population				
Males:					
45–64 years	4.1	4.5	4.2	4.0	4.0
65–74 years	9.3	11.2	11.4	11.1	9.1
75 years and over	7.6	8.9	7.6	6.9	8.4
Females:					
45–64 years	1.3	1.0	1.2	1.2	1.1
65–74 years	3.3	3.8	4.1	4.5	3.6
75 years and over	2.3	3.0	3.3	3.4	3.1

⁶Cesarean sections accounted for 22.0 percent of deliveries in 1994, 20.8 percent in 1995, 21.8 percent in 1996, 21.5 percent in 1997, and 22.5 percent in 1998.

NOTES: Data in this table are for up to four procedures for inpatients and for up to six procedures for ambulatory surgery patients. See Appendix II, Procedure. Procedure categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table IX. Rates are based on the civilian population as of July 1. Beginning with data year 1997, population figures are adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Comparisons of selected estimates based on matrix-adjusted populations with those based on non-adjusted populations for data years 1995 and 1996 show little difference between the two sets of estimates. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, Division of Health Care Statistics. Data from the National Hospital Discharge Survey and the National Survey of Ambulatory Surgery.